

IMMUNOHISTOCHEMISTRY, HMB 45

IHC MARKER	RESULT
HMB 45	

SLIDE NO:

SPECIMEN:

CLINICAL HISTORY:

GROSS:

IMPRESSION:

ADVISED:

INTERPRETATION

RESULT	SCORE
Non immunoreactive	0
Immunoreactive in 1-25% cells	1+
Immunoreactive in 26-50% cells	2+
Immunoreactive in 51-75% cells	3+
Immunoreactive in 76-100% cells	4+

Comments

HMB 45: is a monoclonal antibody originally obtained from an extract of Malignant melanoma which identifies an oncofetal glycoconjugate associated with immature melanosomes and probably related to the tyrosinase enzymatic system. Originally thought to be specific for activated / neoplastic melanocytes, it is now known to be expressed by other neural crest derived tumors like Angiomyolipomas of the kidney and other components of the Tuberous Sclerosis complex ("PEComas"), occasional carcinomas as well as several other neoplasms.

NOTE:

1. Detection system used is Polymer HRP
2. The impression is based on the material submitted and is not a complete surgical pathology report.
3. False negative IHC results due to inadequate fixation of the material sent for evaluation cannot be excluded.

FIXATION REQUIREMENTS

- A. The volume of formalin fixative should be atleast 10 times the volume of the specimen.
- B. Decalcification solutions with strong acids should not be used.
- C. Specimens should be immersed in fixative within 1 hour of the biopsy / resection procedure (time of removal & time of immersion to be mentioned)
- D. In all resection (large) specimens, the tumour must be bisected prior to immersion in fixative.